

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

PA IDC

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>09/812987</u>	Prepared by <u>T. McGILL</u>	Tracking Number <u>5947724</u>	
Examiner-GAU <u>Flynn-3743</u>	Date <u>6/24/04</u>	Week Date <u>5/10/04</u>	
	No. of queries <u>2</u>	<u>T-8 Reuse IFW</u>	

JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	<u>q. PTO-1449</u>
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION

a. Page Missing

b. Text Continuity

c. Holes through Data

d. Other Missing Text

e. Illegible Text

f. Duplicate Text

g. Brief Description

h. Sequence Listing

i. Appendix

j. Amendments

k. Other

CLAIMS

a. Claim(s) Missing

b. Improper Dependency

c. Duplicate Numbers

d. Incorrect Numbering

e. Index Disagrees

f. Punctuation

g. Amendments

h. Bracketing

i. Missing Text

j. Duplicate Text

k. Other

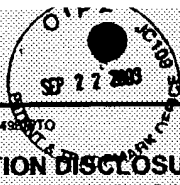
MESSAGE ① CLM dated 3-15-04, Original claims 39 & 44 (patent claims 3 & 8) depend on original claim 50 (patent claim 9).

② PTO-1449: Please either initial OR line through citations.

Thank You
initials TMM

RESPONSE

initials



Substitute for form 1449, PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 1

Complete if Known

Application Number	09/812,987
Filing Date	March 20, 2001
First Named Inventor	Joseph P. Loeffler
Art Unit	3761
Examiner Name	Joseph Francis Woisa Jr.
Attorney Docket Number	016770-004500US

U.S. PATENT DOCUMENTS*

Examiner Initials*	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	US 6,082,212		05-16-2000	Davidson et al.	
	A2	US				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴	Number ⁴	Kind Code ² (if known)				
	B1							
	B2							

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³
	C1		
	C2		

RECEIVED

SEP 3 0 2003

TECHNOLOGY CENTER R3700

Examiner Signature		Date Considered	2 MW 13
-----------------------	--	--------------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

FORM PTO-1449 (Modified)		Docket No. 016776-0045001US		Application No.: 09/812,987		
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Joseph P. Loeffler				
		Filing Date: March 20, 2001		Group: 3761		
Reference Designation		U.S. PATENT DOCUMENTS				Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA	2,764,979	10/02/1956	Henderson			
AB	3,951,313	04/20/1976	Comiglione	222	186	
AC	4,052,986	10/11/1977	Scaife	128	260	
AD	5,950,619	09/14/1999	Van Der Linden et al.	128	200.16	
AE	5,970,974	10/26/1999	Van Der Linden et al.	128	200.16	
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER	DATE CONSIDERED					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED
AUG 16 2002
TEC-1102

DEC 03 2001

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT (Use several sheets if necessary)

Docket No. 016770-004500US

Application No.: 09/812,987

Applicant: Joseph P. Loeffler

Filing Date: March 20, 2001

Group: 3761

Reference Designation

U.S. PATENT DOCUMENTS

Page 1

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Citing Date (if appropriate)
AA	2,101,304	12/37	Wright	120	50	
AB	2,158,615	05/39	Wright	120	50	
AC	2,187,528	01/40	Wing	120	50	
AD	2,223,541	12/40	Baker	120	50	
AE	2,266,706	12/41	Fox et al.	128	173	
AF	2,283,333	05/42	Martin	120	50	
AG	2,292,381	08/42	Klagges	120	50	
AH	2,360,297	10/44	Wing	120	52	
AI	2,375,770	05/45	Dahlberg	120	52	
AJ	2,404,063	07/46	Healy	120	51	
AK	2,430,023	11/47	Longmaid	120	52	
AL	2,474,996	07/49	Wallis	120	52	
AM	2,512,004	06/50	Wing	120	52	
AN	2,521,657	09/50	Severy	120	50	
AO	2,681,041	06/54	Zodiner et al.	120	50	
AP	2,779,623	03/51	Eisenkraft	299	1	
AQ	2,935,970	05/60	Morse et al.	120	52	
AR	3,411,854	11/68	Rosler et al.	401	227	
AS	3,558,052	01/71	Dunn	293	3	
AT	3,738,574	06/73	Guntersdorfer et al.	239	102	
AU	3,790,079	02/74	Berglund et al.	239	3	
AV	3,804,329	04/74	Martner	239	4	
AW	3,812,854	05/74	Michaels et al.	128	194	
AX	3,950,760	04/76	Ilse-dore Stromberger et al.	346	140	
AY	3,958,249	05/76	DeMaine et al.	346	1	
AZ	3,983,740	10/76	Danel	73	12	
BA	3,993,223	11/76	Welker, III et al.	222	107	
BB	4,005,435	01/77	Lundquist et al.	346	1	
BC	Des. 246,574	12/77	Meierhoefer	D9	67	
BD	Des. 249,958	10/78	Meierhoefer	D24	56	
BE	4,119,096	10/78	Dreus	128	194	

FORM PTO-1449 (Modified)			Docket No. 016770-004500US		Application No. : 09/812,987	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: Joseph P. Loeffler			
			Filing Date: March 20, 2001		Group: 3761	
____ BF	4,159,803	07/79	Cameto et al.	239	102	
____ BG	4,226,236	10/80	Genese	604	89	
____ BH	4,240,081	12/80	Devitt	346	75	
____ BI	4,261,512	04/81	Zierenberg	239	102	
____ BJ	4,268,460	05/81	Boiarski et al.	261	1	
____ BK	Des. 259,213	05/81	Pagels	D9	370	
____ BL	4,294,407	10/81	Reichl et al.	239	102	
____ BM	4,298,045	11/81	Weiler et al.	150	0.5	
____ BN	4,300,546	11/81	Kruber	128	200	
____ BO	4,301,093	11/81	Eck	261	1	
____ BP	4,334,531	06/82	Reichl et al.	128	200.14	
____ BQ	4,336,544	06/82	Donald et al.	346	1.1	
____ BR	4,338,576	07/82	Takahashi et al.	331	67	
____ BS	4,368,476	01/83	Uehara et al.	346	140 R	
____ BT	4,389,071	06/83	Johnson, Jr. et al.	299	14	
____ BU	4,408,719	10/83	Last	239	102	
____ BV	4,431,136	02/84	Janner et al.	239	102	
____ BW	4,454,877	06/84	Miller et al.	128	200.21	
____ BX	4,465,234	08/84	Machara et al.	239	102	
____ BY	4,474,251	10/84	Johnson Jr.	175	67	
____ BZ	4,474,326	10/84	Takahashi	239	102	
____ CA	4,475,113	10/84	Lee et al.	346	1.1	
____ CB	4,479,609	10/84	Maeda et al.	239	102	
____ CC	4,530,464	07/85	Yamamoto et al.	239	102	
____ CD	4,533,082	08/85	Machara et al.	239	102	
____ CE	4,539,575	09/85	Nilsson	346	140 R	
____ CF	4,544,933	10/85	Heinzl	346	140 R	
____ CG	4,546,361	10/85	Brescia et al.	346	140 R	
____ CH	4,550,325	10/85	Viola	346	140 R	
____ CI	4,591,883	05/86	Isayama	346	140 R	
____ CJ	4,593,291	06/86	Howkins	346	1.1	
____ CK	4,605,167	08/86	Machara	239	102	
____ CL	4,620,201	10/86	Heinzl et al.	346	140 R	

FORM PTO-1449 (Modified)			Docket No. 016770-004500US		Application No.: 09/812,987	
LIST OF PATENTS AND PUBLICATIONS FOR DISCLOSURE			Applicant: Joseph P. Loeffler			
APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Filing Date: March 20, 2001		Group: 3761	
CM	4,628,890	12/86	Freeman	123	593	
CN	4,632,311	12/86	Nakane et al.	239	101	
CO	4,659,014	04/87	Soth et al.	239	102.2	
CP	4,681,264	07/87	Johnson Jr.	239	589	
CQ	4,702,418	10/87	Carter et al.	239	101	
CR	4,722,906	2/88	Guire	436	501	
CS	4,753,579	06/88	Murphy	417	322	
CT	4,790,479	12/88	Matsumoto et al.	239	102.2	
CJ	4,793,339	12/88	Matsumoto et al.	128	200.16	
CV	4,796,807	01/89	Bendig et al.	239	102.2	
CW	4,799,622	01/89	Ishikawa et al.	239	102.2	
CX	4,826,759	05/89	Guire et al.	435	4	
CY	4,828,886	05/89	Hieber	427	422	
CZ	4,850,534	07/89	Takahashi et al.	239	102.2	
DA	4,865,006	09/89	Nogi et al.	123	590	
DB	4,877,989	10/89	Drews et al.	310	323	
DC	4,888,516	12/89	Daeges et al.	310	323	
DD	4,968,299	11/90	Ahlstrand et al.	604	90	
DE	4,973,493	11/90	Guire	427	2	
DF	Des. 312,209	11/90	Morrow et al.	D9	371	
DG	4,976,259	12/90	Higson et al.	128	200.18	
DH	4,979,959	12/90	Guire	623	66	
DI	4,994,043	02/91	Ysebaert	604	90	
DJ	5,002,582	03/91	Guire et al.	623	66	
DK	5,021,701	06/91	Takahashi et al.	310	345	
DL	5,063,396	11/91	Shiokawa et al.	346	140 R	
DM	5,063,922	11/91	Hakkinen	128	200.16	
DN	5,073,484	12/91	Swanson et al.	435	7.92	
DO	5,076,266	12/91	Babaev	128	200.16	
DP	5,080,649	01-92	Vetter	604	191	
DQ	5,115,803	05/92	Sioutas	128	200.23	
DR	Des. 327,008	06/92	Friedman	D9	521	
DS	5,139,016	08/92	Waser	128	200.16	

DEC 03 2001

FORM PTO-1449 (Modified)			Docket No. 016770-004500US		Application No.: 09/812,987	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: Joseph P. Loeffler			
			Filing Date: March 20, 2001		Group: 3761	
DT	5,152,456	10/92	Russ et al.	239	102.2	
DU	5,164,740	11/92	Irvi	346	1.1	
DV	5,170,782	12/92	Kocinski	128	200.16	
DW	5,180,482	01/93	Abys et al.	205	200.14	
DX	5,186,164	02/93	RaghuPrasad	128	203.15	
DY	5,186,166	02/93	Riggs et al.	128	9	
DZ	5,198,157	03/93	Bechet	264	11	
EA	5,217,492	06/93	Guire et al.	623	66	
EB	5,258,041	11/93	Guire et al.	623	102.2	
EC	5,261,601	11/93	Ross et al.	239	66	
ED	5,263,992	11/93	Guire	623	102.2	
EE	5,297,734	03/94	Toda	239	102.2	
EF	5,299,739	04/94	Takahashi et al.	239	25	
EG	5,312,281	05/94	Takashashi et al.	446	89	
EH	5,320,603	06/94	Vetter et al.	604	318	
EI	5,342,011	08/94	Short	248	200.23	
EJ	5,347,998	09/94	Hodson et al.	128	333	
EK	5,414,075	05/95	Swan et al.	568	200.23	
EL	5,415,161	05/95	Ryder	128	200	
EM	5,431,155	07/95	Marelli	128	200.16	
EN	5,435,282	07/95	Haber et al.	128	200.14	
EO	5,452,711	09/95	Gault	128	520	
EP	Des. 362,390	09/95	Weiler	D9	200.14	
EQ	5,458,135	10/95	Patton et al.	128	402.2	
ER	5,477,992	12/95	Jinks et al.	222	200.16	
ES	5,487,378	1/96	Robertson et al.	128	82	
ET	5,489,266	02/96	Grimard	604	508	
EU	5,512,329	04/96	Guire	427	240.243	
EV	5,512,474	04/96	Clapper et al.	435	117	
EW	Des. 369,212	04/96	Snell	D24	200.18	
EX	5,515,842	05/96	Lamsey et al.	128	200.16	
EY	5,515,841	05/96	Robertson et al.	128	102.2	
EZ	5,518,179	05/96	Humberstone et al.	239		

Translation

DEC 03 2001

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT (Use several sheets if necessary)

Docket No. 016770-004500US

Application No.: 09/812,987

Applicant: Joseph P. Loeffler

Filing Date: March 20, 2001

Group: 3761

					(Yes/No)
GG	1,454,597	11/76	United Kingdom		
GH	0 049 636 A1 ✓	04/82	EPO		
GI	0 103 161 A2 ✓	03/84	EPO		no
GJ	0 134 847 A1 ✓	03/85	EPO		
GK	0 476 991 B1 ✓	03/95	EPO		
GL	0 542 723 A2 ✓	05/93	EPO		
GM	973,458 ✓	10/64	Great Britain		
GN	57-23852 ✓	02/82	Japan		no
GO	57-105608 ✓	07/82	Japan		no
GP	58-61857 ✓	04/83	Japan		no
GQ	58-139757 ✓	08/83	Japan		no
GR	60-4714 (A) ✓	01/85	Japan		no
GS	61-8357 (A) ✓	01/86	Japan		no
GT	61-215059 (A) ✓	09/86	Japan		no
GU	2-135169 ✓	05/90	Japan		yes
GV	2-189161 ✓	07/90	Japan		no
GW	WO 92/11050 ✓	07/92	PCT		
GX	WO 92/07600 ✓	05/92	PCT		
GY	WO 93/01404 ✓	01/93	PCT		
GZ	WO 96/09229 ✓	03/96	PCT		
HA	WO 99/63946 ✓	12/99	PCT		
HB	GB 2 073 616 A ✓	10/81	UK		
HC	GB 2 177 623 A ✓	01/87	UK		
HD	GB 2 240 494 A ✓	08/91	UK		
HE	GB 2 272 389 A ✓	05/94	UK		
HF	GB 2 279 571 A ✓	01/95	UK		
HG	2 101 500 ✓	01/83	UK		
HH	477 885 ✓	10/69	Switzerland		no
HI	555 681 ✓	09/74	Switzerland		no
HJ	0 178 925 ✓	04/86	EPO		
HK	2 692 569 A1 ✓	06/92	FR		no
HL	0 516 565 A1 ✓	05/92	EPO		
HM	0 387 222 A1 ✓	03/90	EPO		

FORM PTO-1449 (Modified)		Docket No. 016770-004500US	Application No.: 09/812,987
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION AND DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Joseph P. Loeffler	
		Filing Date: March 20, 2001	Group: 3761
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
HN	Berglund, R.N., et al. Generation of Monodisperse Aerosol Standards. Environ. Sci. Technology 7:2:147 (1973).		
HO	Allen, T. Particle Size Measurement. Chapman and Hall pp. 167-169 (1981).		
HP	Ueha, S., et al. Mechanism of Ultrasonic Atomization Using a Multi-Pinhole Plate. J. Acoust. Soc. Jpn. (E) 6,1:21 (1985).		
HQ	Maehara, N., et al. Influence of the Vibrating System of a Multipin-hole-plate Ultrasonic Nebulizer on its Performance. Review of Scientific Instruments, 57 (11), November 1986, pp. 2870-2876.		
HR	Maehara, N., et al. Optimum Design Procedure for Multi-Pin-hole-plate Ultrasonic Atomizers. Japanese Journal of Applied Physics, 26:215 (1987).		
HS	Ashgriz, N., et al. Development of a Controlled Spray Generator. Rev. Sci. Instrum. 58(7):1291 (1987).		
HT	Hikayama, H., et al. Ultrasonic Atomizer with Pump Function. Tech. Rpt. IEICE Japan US88-74:25 (1988).		
HU	J. Acoustical Soc. Japan 44:2:116 (1988).		
HV	J. Acoustical Soc. Japan 44:6:425 (1988).		
HW	Siemens AG, 1989, "INK-JET PRINTING: THE PRESENT STATE OF THE ART," by Wolfgang R. Wehl.		
HX	TSI Incorporated product catalog. Vibrating Orifice Aerosol Generator (1989).		
HY	Gaiser Tool Company catalog, pp. 26, 29-30 (19__).		
HZ	Nogi, T., et al. Mixture Formation of Fuel Injection System in Gasoline Engine. Nippon Kikai Gakkai Zenkoku Taikai koenkai Koen Ronbunshu 69:660 (1991).		
IA	D.C. Cipolla et al., "Assessment of Aerosol Delivery systems for Recombinant Human Deoxyribonuclease," <u>S.T.P. Pharma Sciences</u> 4 (1) 50-62, 1994		
IB	D.C. Cipolla et al., "Characterization of Aerosols of Human Recombinant Deoxyribonuclease I (rhDNase) Generated by Jet Nebulizers," <u>Pharmaceutical Research</u> 11 (4) 491-498, 1994		
IC	I. Gonda, "Therapeutic Aerosols," <u>Pharmaceutics, The Sci. of Dosage Form Design</u> , M.E. Aulton, 341-358, 1988		
ID	Anthony J. Hickey, "Pharmaceutical Inhalation Aerosol Technology," <u>Drugs And The Pharmaceutical Sciences</u> , (54) 172-173		
IE	J.A. Abys et al., "Annealing Behavior of Palladium-Nickel All Electrodeposits," pp. 1-7.		
IF	"Palla Tech Pd an Pd Alloy Processes - Procedure for the Analysis of Additive IVS in Palla Tech Plating Solutions by HPLC," <u>Technical Bulletin, Electroplating Chemicals & Services</u> , 029-A, Lucent Technologies, , pp. 1-5, 1996		
EXAMINER		DATE CONSIDERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.